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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:13:53 ON 25 MAY 2006

=> file registry

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FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:14:07 ON 25 MAY 2006

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STRUCTURE FILE UPDATES: 24 MAY 2006 HIGHEST RN 885512-85-6

DICTIONARY FILE UPDATES: 24 MAY 2006 HIGHEST RN 885512-85-6

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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\* The CA roles and document type information have been removed from \*  
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\* effective March 20, 2005. A new display format, IDERL, is now \*  
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\*  
\*\*\*\*\*

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s clitocone/cn

L1 0 CLITOCONE/CN

=> s clitocine/cn

L2 1 CLITOCINE/CN

=> d L2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 105798-74-1 REGISTRY  
ED Entered STN: 21 Dec 1986  
CN  $\beta$ -D-Ribofuranosylamine, N-(6-amino-5-nitro-4-pyrimidinyl)- (9CI) (CA  
INDEX NAME)

OTHER NAMES:

CN Clitocine

FS STEREOSEARCH

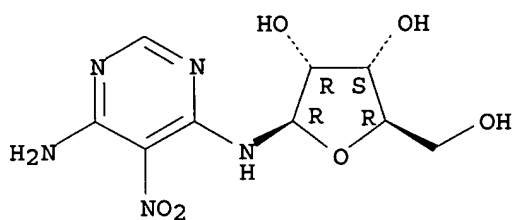
MF C9 H13 N5 O6

CI COM

SR CA

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, DDFU,  
DRUGU, IPA, MEDLINE, NAPRALERT, PROUSDDR, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

18 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
18 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel L2

E1 THROUGH E2 ASSIGNED

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

FILE 'ENCOMPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
12.19	12.40

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,  
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,  
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 10:15:00 ON 25 MAY 2006

92 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s E1-E2

1	FILE ADISCTI
1	FILE AGRICOLA
16	FILE BIOSIS
2	FILE BIOTECHABS
2	FILE BIOTECHDS
4	FILE BIOTECHNO
1	FILE CABA

25 FILE CAPLUS  
 4 FILE CROPU  
 9 FILE DDFU  
 1 FILE DISSABS  
 9 FILE DRUGU  
 13 FILE EMBASE  
 3 FILE ESBIODBASE  
 2 FILE IFIPAT  
 37 FILES SEARCHED...  
 1 FILE JICST-EPLUS  
 4 FILE MEDLINE  
 8 FILE PASCAL  
 1 FILE PHIN  
 4 FILE PROUSDDR  
 27 FILE SCISEARCH  
 9 FILE TOXCENTER  
 5 FILE USPATFULL  
 1 FILE WPIDS  
 1 FILE WPINDEX  
 8 FILE CASREACT  
 2 FILE EPFULL  
 77 FILES SEARCHED...  
 13 FILE PCTFULL

28 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L3 QUE (CLITOCINE/BI OR 105798-74-1/BI)

=> file biosis caplus embase pascal scisearch uspatfull pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.83	14.23

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FILE 'PASCAL' ENTERED AT 10:17:02 ON 25 MAY 2006  
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FILE 'SCISEARCH' ENTERED AT 10:17:02 ON 25 MAY 2006  
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FILE 'USPATFULL' ENTERED AT 10:17:02 ON 25 MAY 2006  
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'PCTFULL' ENTERED AT 10:17:02 ON 25 MAY 2006  
 COPYRIGHT (C) 2006 Univentio

=> s E1-E2  
 L4 107 (CLITOCINE/BI OR 105798-74-1/BI)

=> dup rem L4  
 PROCESSING COMPLETED FOR L4  
 L5 60 DUP REM L4 (47 DUPLICATES REMOVED)

=> s L5 and (cancer or tumor or p53 or neoplas? or chemother?)  
L6 21 L5 AND (CANCER OR TUMOR OR P53 OR NEOPLAS? OR CHEMOTHER?)

=> s L5 and (nonsense or transcription)  
L7 11 L5 AND (NONSENSE OR TRANSCRIPTION)

=> s L6 not py>2002  
L8 8 L6 NOT PY>2002

=> s L7 not py>2002  
L9 4 L7 NOT PY>2002

=> d L8 1-8 ti abs bib

L8 ANSWER 1 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI SYNTHESIS AND BIOLOGICAL ACTIVITY OF CARBOCYCLIC **CLITOCINE**.  
AN 1991:445330 BIOSIS  
DN PREV199141083065; BR41:83065  
TI SYNTHESIS AND BIOLOGICAL ACTIVITY OF CARBOCYCLIC **CLITOCINE**.  
AU BAXTER A D [Reprint author]; PENN C R; STORER R; WEIR N G; WOODS J M  
CS DEP MEDICINAL CHEMISTRY, GLAXO GROUP RESEARCH LTD, GREENFORD, MIDDLESEX  
UB6 0HE, UK  
SO Nucleosides and Nucleotides, (1991) Vol. 10, No. 1-3, pp. 393-396.  
Meeting Info.: PROCEEDINGS OF THE 9TH INTERNATIONAL ROUND TABLE DISCUSSION  
ON NUCLEOSIDES, NUCLEOTIDES, AND THEIR BIOLOGICAL APPLICATIONS, UPPSALA,  
SWEDEN, JULY 30-AUGUST 3, 1990. NUCLEOSIDES NUCLEOTIDES.  
CODEN: NUNUD5. ISSN: 0732-8311.  
DT Conference; (Meeting)  
FS BR  
LA ENGLISH  
ED Entered STN: 8 Oct 1991  
Last Updated on STN: 8 Oct 1991

L8 ANSWER 2 OF 8 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI SYNTHESIS INTRAMOLECULAR HYDROGEN BONDING AND BIOCHEMICAL STUDIES OF  
**CLITOCINE** A NATURALLY OCCURRING EXOCYCLIC AMINO NUCLEOSIDE.  
AB The total synthesis of **clitocine** [6-amino-5-nitro-4-( $\beta$ -D-  
ribofuranosylamino)pyrimidine] (1), a nucleoside recently isolated from  
the mushroom *Clitocybe inversa*, has been accomplished. Glycosylation of  
4,6-diamino-5-nitropyrimidine (4) with 1-O-acetyl-2, 3,  
5-tri-O-benzoyl-D-ribofuranose afforded the protected nucleoside  
6-amono-5-nitro-4-[(2, 3, 5-tri-O-benzoyl- $\beta$ -D-  
ribofuranosyl)aminol]pyrimidine (5) in good yield exclusively as the  
 $\beta$ -anomer. Deprotection of 5 with NaOMe/MeOH gave 1 as an 11.5:1  
mixture of the  $\beta$ - and  $\alpha$ -anomers, respectively.  
Recrystallization from MeOH, followed by chromatography, afforded 1  
containing less than 1% of its  $\alpha$ -anomer. X-ray crystal data  
revealed a planar aglycon moiety in **clitocine** with each oxygen  
atom of the nitro group intramolecularly hydrogen bonded to the hydrogen  
atoms of the two adjacent amino functions. **Clitocine** inhibited  
L1210 cells in vitro with an ID50 of  $3 \times 10^{-8}$  M. **Clitocine**  
was also found to be a substrate and inhibitor of adenosine kinase with a  
Ki value of  $3 \times 10^{-6}$  M.  
AN 1988:267129 BIOSIS  
DN PREV198886006373; BA86:6373  
TI SYNTHESIS INTRAMOLECULAR HYDROGEN BONDING AND BIOCHEMICAL STUDIES OF  
**CLITOCINE** A NATURALLY OCCURRING EXOCYCLIC AMINO NUCLEOSIDE.  
AU MOSS R J [Reprint author]; PETRIE C R; MEYER R B JR; NORD L D; WILLIS R C;  
SMITH R A; LARSON S B; KINI G D; ROBINS R K  
CS NUCLEIC ACID RES INST, 3300 HYLAND AVENUE, MESA, CALIF 92626, USA  
SO Journal of Medicinal Chemistry, (1988) Vol. 31, No. 4, pp. 786-790.  
CODEN: JMCMAR. ISSN: 0022-2623.  
DT Article  
FS BA

LA ENGLISH  
 ED Entered STN: 2 Jun 1988  
 Last Updated on STN: 2 Jun 1988

L8 ANSWER 3 OF 8 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN  
 TI Cytotoxic activity of Tricholomatales determined with murine and human **cancer** cell lines  
 AB The cytotoxic activity of 22 methanol extracts of fresh fruiting bodies of the Tricholomatales order was evaluated with two murine **cancer** cell lines (L1210 and 3LL). The 8 extracts that inhibited the growth of at least one murine **cancer** cell line were then evaluated with 4 human **cancer** cell lines (K-562, U251, DU145, MCF7). Four of them had significant cytotoxic activity (IC50 less than or equal to 20 mug/ml) against at least one human **cancer** cell line. *Lepista inversa*, with an IC50 less than or equal to 20 mug/ml against the 4 human **cancer** cell lines tested and an activity either equal to or greater than that of a bark extract from *Taxus baccata* L., used as positive control, appeared to be the most promising species.

AN 2002:538721 SCISEARCH  
 GA The Genuine Article (R) Number: 563XP  
 TI Cytotoxic activity of Tricholomatales determined with murine and human **cancer** cell lines  
 AU Bezivin C (Reprint); Lohezic F; Sauleau P; Amoros M; Boustie J  
 CS Lab Pharmacognosie & Mycol, UPRES EA Synth & Extract Mol Visee Therapeut 2234, Ave Pr Leon Bernard, F-35043 Rennes, France (Reprint); Lab Pharmacognosie & Mycol, UPRES EA Synth & Extract Mol Visee Therapeut 2234, F-35043 Rennes, France  
 CYA France  
 SO PHARMACEUTICAL BIOLOGY, (2002) Vol. 40, No. 3, pp. 196-199. ISSN: 1388-0209.  
 PB SWETS ZEITLINGER PUBLISHERS, P O BOX 825, 2160 SZ LISSE, NETHERLANDS.  
 DT Article; Journal  
 LA English  
 REC Reference Count: 12  
 ED Entered STN: 12 Jul 2002  
 Last Updated on STN: 12 Jul 2002  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 4 OF 8 USPATFULL on STN  
 TI Method of inhibiting transformation of cells in which purine metabolic enzyme activity is elevated  
 AB A method of inhibiting growth, transformation and/or metastasis of mammalian cells, particularly epithelial cells, in which activity of at least one enzyme, which participates in purine metabolism or regulation of nucleotide levels or the relative ratios of their phosphorylated states, is elevated. In particular, a method of inhibiting transformation, growth and/or metastasis of mammalian cells in which a DNA **tumor** virus, a DNA **tumor** virus factor or other factor which has an equivalent effect on cells has acted.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AN 94:55549 USPATFULL  
 TI Method of inhibiting transformation of cells in which purine metabolic enzyme activity is elevated  
 IN Kaddurah-Daouk, Rima, Watertown, MA, United States  
 Lillie, James W., Somerville, MA, United States  
 Burbaum, Jonathan J., Cambridge, MA, United States  
 PA Amira, Inc., Cambridge, MA, United States (U.S. corporation)  
 PI US 5324731 19940628  
 AI US 1990-610418 19901107 (7)  
 RLI Continuation-in-part of Ser. No. US 1990-467147, filed on 18 Jan 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-344963, filed on 28 Apr 1989, now abandoned which is a continuation-in-part of Ser. No. US 1989-310773, filed on 14 Feb 1989,

now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Nutter, Nathan M.  
LREP Lahive & Cockfield  
CLMN Number of Claims: 17  
ECL Exemplary Claim: 1  
DRWN 40 Drawing Figure(s); 39 Drawing Page(s)  
LN.CNT 2730

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 8 USPATFULL on STN  
TI Substituted pyrimido[5,4-d]pyrimidine nucleosides  
AB  $\alpha$  and  $\beta$ -ribonucleosides of substituted pyrimido[5,4-d]pyrimidines are used in treating malignant tumors in vivo. A novel synthesis for preparing these compounds and other related compounds is further disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 91:66895 USPATFULL  
TI Substituted pyrimido[5,4-d]pyrimidine nucleosides  
IN Robins, Roland K., Irvine, CA, United States  
Revankar, Ganapathi R., Irvine, CA, United States  
Sanghvi, Yogesh S., Irvine, CA, United States  
PA Nucleic Acid Research Institute, Costa Mesa, CA, United States (U.S. corporation)  
PI US 5041542 19910820  
AI US 1988-202787 19880603 (7)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Crane, L. Eric  
LREP Boswell, Herb  
CLMN Number of Claims: 3  
ECL Exemplary Claim: 2,3  
DRWN No Drawings  
LN.CNT 1060

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN ADENOSINE ANALOGUES AND METHOD OF INCREASING ADENOSINE RELEASE  
TIFR ANALOGUES DE L'ADENOSINE ET PROCEDE D'INTENSIFICATION DE LA LIBERATION DE L'ADENOSINE  
ABEN Nucleoside analogues such as ribofuranosyl-beta-D-pyrrolopyrimidine compounds and ribofuranosyl pyrrolopyrimidine N-oxide compounds and pharmaceutically acceptable salts and mixtures thereof. Compositions comprising these compounds and pharmaceutically acceptable carriers have also been disclosed. The invention further includes ribofuranosyl compounds having the anomeric position substituted with substituents selected from the group consisting of:  
-O-(C1-C18)alkyl,  
-O-(C1-C18)acyl, halogen, O-tosyl, or -OSO<sub>2</sub>R<sub>11</sub>, wherein R<sub>11</sub> is - (C1-C18)alkyl or - (C6-C24)aryl.  
Methods of preparing said compounds have also been disclosed. Methods of treating a disease or condition such as inflammation, certain heart conditions, gastric ulcers, osteoarthritis, neutrophil function, or promoting vasodilation, among others comprise administering to a subject in need of the treatment an adenosine kinase activity inhibitory effective amount of claimed compounds or compositions thereof.  
ABFR L'invention se rapporte a des analogues de nucleosides tels que des composes de

ribofuranosyl-beta-D-pyrrolopyrimidine et des composes de ribofuranosyl pyrrolopyrimidine N-oxyde et des sels pharmaceutiquement acceptables et des melanges de ceux-ci. L'invention se rapporte egalement a des compositions comprenant ces composes et ces excipients pharmaceutiquement acceptables. L'invention comprend en outre des composes de ribofuranosyl ayant la position anomerique substituee par des substituants selectionnes parmi le groupe constitue par -O-(C1-C18)alkyle, -O-(C1-C18)acyle, halogene, O-tosyle, ou -OSO<sub>2</sub>R<sub>11</sub> dans lequel R<sub>11</sub> represente -(C1-C18)alkyle ou -(C6-C24)aryle. Des procede de preparation de ces composes sont egalement decrits. Des procedes pour traiter d'une maladie ou un etat pathologique, tel qu'une inflammation, certaines maladies du coeur, des ulceres gastriques, l'arthrose, la fonction neutrophile ou pour faciliter la vasodilatation, notamment, consistent a administrer a un sujet necessitant ce traitement une quantite efficace inhibitrice de l'activite de l'adenosine kinase des composes revendiques ou des compositions de ceux-ci.

AN 1994006438 PCTFULL ED 20020513  
 TIEN ADENOSINE ANALOGUES AND METHOD OF INCREASING ADENOSINE RELEASE  
 TIFR ANALOGUES DE L'ADENOSINE ET PROCEDE D'INTENSIFICATION DE LA LIBERATION DE L'ADENOSINE  
 IN CARSON, Dennis, A.;  
 COTTAM, Howard, B.  
 PA THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 LA English  
 DT Patent  
 PI WO 9406438 A1 19940331  
 DS W: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ  
 LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA VN AT BE  
 CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
 CM GA GN ML MR NE SN TD TG  
 AI WO 1993-US8284 A 19930831  
 PRAI US 1992-7/944,134 19920911  
 L8 ANSWER 7 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
 TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE PURIQUE EST ELEVEE  
 ABEN A method of inhibiting growth, transformation, and/or metastasis of mammalian cells, particularly epithelial cells, in which activity of at least one enzyme, which participates in purine metabolism or regulation of nucleotide levels or the relative ratios of their phosphorylated states, is elevated. In particular, a method of inhibiting transformation, growth and/or metastasis of mammalian cells in which a DNA tumor virus, a DNA tumor virus factor or other factor which has an equivalent effect on cells has acted.  
 ABFR Procede d'inhibition de la croissance, de la transformation et/ou de la metastase de cellules mammiferes, notamment de cellules epitheliales, dans lesquelles l'activite d'au moins une enzyme, laquelle participe au metabolisme ou a la regulation purique de niveaux de nucleotides ou aux rapports relatifs de leurs etats phosphoryles, est elevee. L'invention concerne notamment un procede

d'inhibition de la transformation, de la croissance et/ou de la  
metastase de cellules mammiferes  
dans lesquelles un virus oncogene d'ADN, un facteur de virus oncogene  
d'ADN ou un autre facteur  
ayant un effect equivalent sur les cellules a agi.

AN 1992008456 PCTFULL ED 20020513  
TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN  
WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA  
METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE  
PURIQUE EST ELEVEE  
IN KADDURAH-DAOUK, Rima;  
LILLIE, James, W.  
PA AMIRA, INC.  
LA English  
DT Patent  
PI WO 9208456 A2 19920529  
DS W: AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE  
AI WO 1991-US8275 A 19911107  
PRAI US 1990-610,418 19901107

L8 ANSWER 8 OF 8 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
ENZYME ACTIVITY  
TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
METABOLIQUE DE PURINE ELEVEE  
ABEN A method of inhibiting growth rate, transformation or metastasis of  
mammalian cells,  
particularly epithelial cells, in which activity of at least one enzyme  
which participates in purine  
metabolism and regulation of nucleotide levels is elevated. In  
particular, a method of inhibiting  
transformation of mammalian cells by a DNA tumor virus, a DNA  
tumor virus factor or other factor  
which has an equivalent effect on cells.  
ABFR Procede permettant d'inhiber le taux de croissance, la transformation ou  
metastase de cellules  
de mammiferes, notamment de cellules epitheliales, ou l'activite d'un  
enzyme au moins, participant  
dans les taux de metabolisme de la purine et de regulation des  
nucleotides, est elevee. On decrit en  
particulier un procede permettant d'inhiber la transformation de  
cellules de mammifere par un virus  
oncogene de l'ADN, un facteur de virus oncogene de l'ADN, ou par  
d'autres facteurs ayant un effet  
semblable sur les cellules.

AN 1990009192 PCTFULL ED 20020513  
TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
ENZYME ACTIVITY  
TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
METABOLIQUE DE PURINE ELEVEE  
IN KADDURAH-DAOUK, Rima;  
DAOUK, Ghaleb;  
SCHIMMEL, Paul, R.;  
KINGSTON, Robert;  
LILLIE, James, W.;  
GREEN, Michael;  
PUTNEY, Scott, D.  
PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY;  
HARVARD UNIVERSITY  
LA English  
DT Patent  
PI WO 9009192 A1 19900823  
DS W: AT AU BE CA CH DE DK ES FR GB IT JP LU NL SE  
AI WO 1990-US848 A 19900214



PRAI	US 1989-310,773	19890214
	US 1989-344,963	19890428
	US 1990-467,147	19900118

=> d L6 1-21 ti

L6 ANSWER 1 OF 21 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI SYNTHESIS AND BIOLOGICAL ACTIVITY OF CARBOCYCLIC **CLITOCINE**.

L6 ANSWER 2 OF 21 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI SYNTHESIS INTRAMOLECULAR HYDROGEN BONDING AND BIOCHEMICAL STUDIES OF **CLITOCINE** A NATURALLY OCCURRING EXOCYCLIC AMINO NUCLEOSIDE.

L6 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN  
TI In vivo antitumor activity of **clitocine**, an exocyclic amino nucleoside isolated from *Lepista inversa*

L6 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Use of nucleoside compounds for nonsense suppression and the treatment of genetic diseases

L6 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Preparation of nucleoside analogs and their use for treating **cancer** and diseases associated with somatic mutations of mRNA

L6 ANSWER 6 OF 21 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Cytotoxic activity of Tricholomatales determined with murine and human **cancer** cell lines

L6 ANSWER 7 OF 21 USPATFULL on STN  
TI Uses for inhibitors of inosine monophosphate dehydrogenase

L6 ANSWER 8 OF 21 USPATFULL on STN  
TI Methods for inhibiting protein kinases in **cancer** cells

L6 ANSWER 9 OF 21 USPATFULL on STN  
TI Nucleoside compounds and their use for treating **cancer** and diseases associated with somatic mutations

L6 ANSWER 10 OF 21 USPATFULL on STN  
TI Method of inhibiting transformation of cells in which purine metabolic enzyme activity is elevated

L6 ANSWER 11 OF 21 USPATFULL on STN  
TI Substituted pyrimido[5,4-d]pyrimidine nucleosides

L6 ANSWER 12 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN COMPOUNDS FOR NONSENSE SUPPRESSION, AND METHODS FOR THEIR USE  
TIFR COMPOSES PERMETTANT DE SUPPRIMER LES EFFETS DES MUTATIONS NON-SENS, ET METHODES D'EMPLOI DESDITS COMPOSES

L6 ANSWER 13 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN COMPOUNDS FOR NONSENSE SUPPRESSION, AND METHODS FOR THEIR USE  
TIFR COMPOSES POUR LA SUPPRESSION DE MUTATIONS NON-SENS ET PROCEDES D'UTILISATION ASSOCIES

L6 ANSWER 14 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN COMPOUNDS FOR NONSENSE SUPPRESSION, AND METHODS FOR THEIR USE  
TIFR COMPOSES POUR LA SUPPRESSION DE MUTATIONS NON-SENS ET PROCEDES D'UTILISATION ASSOCIES

L6 ANSWER 15 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN COMPOUNDS FOR NONSENSE SUPPRESSION, AND METHODS FOR THEIR USE

TIFR COMPOSES DE SUPPRESSION DE NON-SENS ET PROCEDES DE LEUR UTILISATION

L6 ANSWER 16 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN THERAPEUTIC INHIBITION OF PROTEIN KINASES IN **CANCER** CELLS  
 TIFR INHIBITION THERAPEUTIQUE DES PROTEINES KINASES DANS DES CELLULES  
 CANCEREUSES

L6 ANSWER 17 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN NEW USES FOR INHIBITORS OF INOSINE MONOPHOSPHATE DEHYDROGENASE  
 TIFR NOUVELLES UTILISATIONS D'INHIBITEURS DE L'INOSINE MONOPHOSPHATE  
 DESHYDROGENASE

L6 ANSWER 18 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN UNUSUAL NUCLEOSIDE LIBRARIES, COMPOUNDS, AND PREFERRED USES AS ANTIVIRAL  
 AND ANTICANCER AGENTS  
 TIFR BANQUES DE NUCLEOSIDES ET COMPOSES RARES, ET UTILISATIONS PREFEREES  
 COMME AGENTS ANTICANCEREUX ET ANTIVIRAUX

L6 ANSWER 19 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN ADENOSINE ANALOGUES AND METHOD OF INCREASING ADENOSINE RELEASE  
 TIFR ANALOGUES DE L'ADENOSINE ET PROCEDE D'INTENSIFICATION DE LA LIBERATION  
 DE L'ADENOSINE

L6 ANSWER 20 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN  
 WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
 TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA  
 METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE  
 PURIQUE EST ELEVEE

L6 ANSWER 21 OF 21 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
 ENZYME ACTIVITY  
 TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
 METABOLIQUE DE PURINE ELEVEE

=> d L7 1-11 ti

L7 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Use of nucleoside compounds for **nonsense** suppression and the  
 treatment of genetic diseases

L7 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Preparation of nucleoside analogs and their use for treating cancer and  
 diseases associated with somatic mutations of mRNA

L7 ANSWER 3 OF 11 USPATFULL on STN  
 TI Nucleoside compounds and their use for treating cancer and diseases  
 associated with somatic mutations

L7 ANSWER 4 OF 11 USPATFULL on STN  
 TI Method of inhibiting transformation of cells in which purine metabolic  
 enzyme activity is elevated

L7 ANSWER 5 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN COMPOUNDS FOR **NONSENSE** SUPPRESSION, AND METHODS FOR THEIR USE  
 TIFR COMPOSES PERMETTANT DE SUPPRIMER LES EFFETS DES MUTATIONS NON-SENS, ET  
 METHODES D'EMPLOI DESDITS COMPOSES

L7 ANSWER 6 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN COMPOUNDS FOR **NONSENSE** SUPPRESSION, AND METHODS FOR THEIR USE  
 TIFR COMPOSES POUR LA SUPPRESSION DE MUTATIONS NON-SENS ET PROCEDES  
 D'UTILISATION ASSOCIES

L7 ANSWER 7 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN COMPOUNDS FOR **NONSENSE** SUPPRESSION, AND METHODS FOR THEIR USE  
 TIFR COMPOSES POUR LA SUPPRESSION DE MUTATIONS NON-SENS ET PROCEDES  
 D'UTILISATION ASSOCIES

L7 ANSWER 8 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN COMPOUNDS FOR **NONSENSE** SUPPRESSION, AND METHODS FOR THEIR USE  
 TIFR COMPOSES DE SUPPRESSION DE NON-SENS ET PROCEDES DE LEUR UTILISATION

L7 ANSWER 9 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN

L7 ANSWER 10 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN  
 WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
 TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA  
 METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE  
 PURIQUE EST ELEVEE

L7 ANSWER 11 OF 11 PCTFULL COPYRIGHT 2006 Univentio on STN  
 TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
 ENZYME ACTIVITY  
 TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
 METABOLIQUE DE PURINE ELEVEE

=> d L9 1-4 ti abs bib

L9 ANSWER 1 OF 4 USPATFULL on STN  
 TI Method of inhibiting transformation of cells in which purine metabolic  
 enzyme activity is elevated  
 AB A method of inhibiting growth, transformation and/or metastasis of  
 mammalian cells, particularly epithelial cells, in which activity of at  
 least one enzyme, which participates in purine metabolism or regulation  
 of nucleotide levels or the relative ratios of their phosphorylated  
 states, is elevated. In particular, a method of inhibiting  
 transformation, growth and/or metastasis of mammalian cells in which a  
 DNA tumor virus, a DNA tumor virus factor or other factor which has an  
 equivalent effect on cells has acted.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 94:55549 USPATFULL  
 TI Method of inhibiting transformation of cells in which purine metabolic  
 enzyme activity is elevated  
 IN Kaddurah-Daouk, Rima, Watertown, MA, United States  
 Lillie, James W., Somerville, MA, United States  
 Burbaum, Jonathan J., Cambridge, MA, United States  
 PA Amira, Inc., Cambridge, MA, United States (U.S. corporation)  
 PI US 5324731 19940628  
 AI US 1990-610418 19901107 (7)  
 RLI Continuation-in-part of Ser. No. US 1990-467147, filed on 18 Jan 1990,  
 now abandoned which is a continuation-in-part of Ser. No. US  
 1989-344963, filed on 28 Apr 1989, now abandoned which is a  
 continuation-in-part of Ser. No. US 1989-310773, filed on 14 Feb 1989,  
 now abandoned

DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Nutter, Nathan M.  
 LREP Lahive & Cockfield  
 CLMN Number of Claims: 17  
 ECL Exemplary Claim: 1  
 DRWN 40 Drawing Figure(s); 39 Drawing Page(s)  
 LN.CNT 2730  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 4 PCTFULL COPYRIGHT 2006 Univentio on STN

AN 2001000840 PCTFULL  
no bibliographic data available - please use FPI for PI information

L9 ANSWER 3 OF 4 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN  
WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA  
METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE  
PURIQUE EST ELEVEE  
ABEN A method of inhibiting growth, transformation, and/or metastasis of  
mammalian cells,  
particularly epithelial cells, in which activity of at least one enzyme,  
which participates in  
purine metabolism or regulation of nucleotide levels or the relative  
ratios of their phosphorylated  
states, is elevated. In particular, a method of inhibiting  
transformation, growth and/or metastasis  
of mammalian cells in which a DNA tumor virus, a DNA tumor virus factor  
or other factor which has an  
equivalent effect on cells has acted.

ABFR Procede d'inhibition de la croissance, de la transformation et/ou de la  
metastase de cellules  
mammiferes, notamment de cellules epitheliales, dans lesquelles  
l'activite d'au moins une enzyme,  
laquelle participe au metabolisme ou a la regulation purique de niveaux  
de nucleotides ou aux  
rapports relatifs de leurs etats phosphoryles, est elevee. L'invention  
concerne notamment un procede  
d'inhibition de la transformation, de la croissance et/ou de la  
metastase de cellules mammiferes  
dans lesquelles un virus oncogene d'ADN, un facteur de virus oncogene  
d'ADN ou un autre facteur  
ayant un effect equivalent sur les cellules a agi.

AN 1992008456 PCTFULL ED 20020513  
TIEN METHOD OF INHIBITING TRANSFORMATION, GROWTH AND METASTASIS OF CELLS IN  
WHICH PURINE METABOLIC ENZYME ACTIVITY IS ELEVATED  
TIFR PROCEDE D'INHIBITION DE LA TRANSFORMATION, DE LA CROISSANCE ET DE LA  
METASTASE DE CELLULES DANS LESQUELLES L'ACTIVITE ENZYMATIQUE METABOLIQUE  
PURIQUE EST ELEVEE  
IN KADDURAH-DAOUK, Rima;  
LILLIE, James, W.  
PA AMIRA, INC.  
LA English  
DT Patent  
PI WO 9208456 A2 19920529  
DS W: AT AU BE CA CH DE DK ES FR GB GR IT JP LU NL SE  
AI WO 1991-US8275 A 19911107  
PRAI US 1990-610,418 19901107

L9 ANSWER 4 OF 4 PCTFULL COPYRIGHT 2006 Univentio on STN  
TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
ENZYME ACTIVITY  
TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
METABOLIQUE DE PURINE ELEVEE  
ABEN A method of inhibiting growth rate, transformation or metastasis of  
mammalian cells,  
particularly epithelial cells, in which activity of at least one enzyme  
which participates in purine  
metabolism and regulation of nucleotide levels is elevated. In  
particular, a method of inhibiting  
transformation of mammalian cells by a DNA tumor virus, a DNA tumor  
virus factor or other factor  
which has an equivalent effect on cells.

ABFR Procede permettant d'inhiber le taux de croissance, la transformation ou  
metastase de cellules

de mammiferes, notamment de cellules epitheliales, ou l'activite d'un enzyme au moins, participant dans les taux de metabolisme de la purine et de regulation des nucleotides, est elevee. On decrit en particulier un procede permettant d'inhiber la transformation de cellules de mammifere par un virus oncogene de l'ADN, un facteur de virus oncogene de l'ADN, ou par d'autres facteurs ayant un effet semblable sur les cellules.

AN 1990009192 PCTFULL ED 20020513  
 TIEN INHIBITING TRANSFORMATION OF CELLS HAVING ELEVATED PURINE METABOLIC  
 ENZYME ACTIVITY  
 TIFR INHIBITION DE LA TRANSFORMATION DE CELLULES AYANT UNE ACTIVITE D'ENZYME  
 METABOLIQUE DE PURINE ELEVEE  
 IN KADDURAH-DAOUK, Rima;  
 DAOUK, Ghaleb;  
 SCHIMMEL, Paul, R.;  
 KINGSTON, Robert;  
 LILLIE, James, W.;  
 GREEN, Michael;  
 PUTNEY, Scott, D.  
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY;  
 HARVARD UNIVERSITY  
 LA English  
 DT Patent  
 PI WO 9009192 A1 19900823  
 DS W: AT AU BE CA CH DE DK ES FR GB IT JP LU NL SE  
 AI WO 1990-US848 A 19900214  
 PRAI US 1989-310,773 19890214  
 US 1989-344,963 19890428  
 US 1990-467,147 19900118

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LOGOFF? (Y)/N/HOLD:y

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FILE 'STNGUIDE' ENTERED AT 14:41:20 ON 25 MAY 2006

FILE 'BIOSIS, CAPLUS, EMBASE, PASCAL, SCISEARCH, USPATFULL, PCTFULL'  
ENTERED AT 14:41:27 ON 25 MAY 2006

L1	107 S CLITOCINE/BI OR 105798-74-1/BI
L2	79 S L1 NOT PY>2002
L3	42 DUP REM L2 (37 DUPLICATES REMOVED)
L4	0 S L3 AND NONSENSE(W) SUPPRES?
L5	0 S L3 AND NONSENSE
L6	4 S L3 AND TRANSLATION
L7	0 S L3 AND GENETIC(W) DISEASE